

	10	20	30	40	50	60	
1	HHNGTNGTMMQYFEWYLPNDGNHWNRLRDDAANLKSKGITAVWIPPAWKGTSQNDVGYGA					60	
3	-AAPFNGTMMQYFEWYLPDDGTLWTKVANEANNLSSLGITALWLPPAYKGTSRSVDVGYGV					59	
2	HHNGTNGTMMQYFEWYLPNDGNHWNRLRDDASNLRNRRGITAIWIPPAWKGTSQNDVGYGA					60	
4	HHNGTNGTMMQYFEWYLPNDGNHWNRLNSDASNLKSKGITAVWIPPAWKGASQNDVGYGA					60	
	70	80	90	100	110	120	
1	YDLYDLGEFNQKGTVRTKYGTRNQLQAAVTSLKNNQIQVYGDVVMNHKGGA	DGTEIVNAV				120	
3	YDLYDLGEFNQKGTVRTKYGTRQYQYLQAIQAAHAGMQVYADVVFHDKGGA	DGTEWVDAV				119	
2	YDLYDLGEFNQKGTVRTKYGTRSQLAESAIHALKNNGVQVYGDVVMNHKGGA	DATENVLAV				120	
4	YDLYDLGEFNQKGTVRTKYGTRSQLQAAVTSLKNNQIQVYGDVVMNHKGGA	DATEMVRAV				120	
	130	140	150	160	170	180	
1	EVNRSNRNQETSGEYAI	EAWTKFDFPGRGNHNSFKWWRWYHFDGTDWDQSRLQNKIYKF				180	
3	EVNPSDRNQEI	SGTYQIQA	WTKFDFPGRGNTYSFKWWRWYHFDGVDWDESRKLS-RIYKF			178	
2	EVNPNNRNQEI	SGDYTI	EAWTKFDFPGRGNTYSDFKWRWYHFDGVDWDSRQFQNRIYKF			180	
4	EVNPNNRNQEV	GTGEYTI	EAWTRFDFPGRGNTHSSFKWWRWYHFDGVDWDSRRLNNRIYKF			180	
	190	200	210	220	230	240	
1	RGTGKAWDWEVDTEN	GYDYL	MYADVDMHDPEV	VIHELRLNWGVWYTNTLNLDGFRIDAVKH		240	
3	RGIGKAWDWEVDTEN	GYDYL	MYADLDMDHPEV	VTELKNWGKWWNTTNIDGFRIDAVKH		238	
2	RGDGKAWDWEVDS	ENGYDYL	MYADVDMHDPEV	VNLRRGEWYTNTLNLDGFRIDAVKH		240	
4	RGHGKAWDWEVDTEN	GYDYL	MYADIDMDHPEV	VNELRNWGVWYTNTLGLDFRIDAVKH		240	
	250	260	270	280	290	300	
1	IKYSFTRDWLTHVRN	TTGKPMFAVAE	FWKNDLGAIENYLNKT	SWNHSAFDVPLHYNLYNA		300	
3	IKFSFPDWLSYVR	SQTKPL	FTVGEWYSDINKLHN	YITTKTDGTM	SLFDAPLHNKFYTA	298	
2	IKYSFTRDWLTHVRN	ATGKEMFAVAE	FWKNDLGAIENYLNKT	WNSVFDVPLHYNLYNA		300	
4	IKYSFTRDWLTHVRN	ATGKEMFAVAE	FWKNDLGAIENYLNQ	KTWNHNSVFDVPLHYNLYNA		300	
	310	320	330	340	350	360	
1	SNSGGYYDMRN	ILNGSVVQK	HPTHAVTFVDNHD	SQPGEALESFVQQWFKPLAYALVLTRI		360	
3	SKSGGAFDMRTL	MTNTLMKDQ	PTLA	VTFVDNHDTEPGQALQSWVDPWF	KPLAYAFILTRQ	358	
2	SNSGGNYDMAK	LLNGTVVQK	HPMHAVTFVDNHD	SQPGESLESFVQEWFKPLAYALILTRE		360	
4	SKSGGNYDMRN	IFNGTVVQRHP	SHAVTFVDNHD	SQPEEALESFVEEWFKPLAYALTLRE		360	
	370	380	390	400	410	420	
1	QGYPYVYGDYYGIP	THGVPAMKSKIDPL	LQARQTFAYGTQHDY	FDHHDIIGWTREGN	SS	420	
3	EGYPCVFYGDYYGIP	QYNIPSLKSKIDPL	LIARRDYAYGTQHDY	LDHSDIIIGWTREGG	TE	418	
2	QGYPYVYGDYYGIP	THSVPAMKAKIDPL	ILEARQNFA	YGTQHDY	FDHHNIIGWTREGN	TT	420
4	QGYPYVYGDYYGIP	THGVPAMRSKIDPL	ILEARQKYAYGKQND	YLDHHNIIGWTREGN	TA	420	
	430	440	450	460	470	480	
1	HPNSGLATIMSDGPG	GNKWMYVG	KGKAGQQWRDITG	GNRTGTVTINADGWGNFSVNGGS	SV	480	
3	KPGSGLAALITDGP	PGGS	KWMYVGKQHAGKVF	YDLTGNRS	DTVTINS	478	
2	HPNSGLATIMSDGPG	GEKWMYVG	QNKAGQQWHD	ITGNKPG	TVTINADGWANFSVNGGS	SV	480
4	HPNSGLATIMSDGAGG	SKWMFVRN	KAGQQWSD	ITGNRTG	TVTINADGWGNFSVNGGS	SV	480
	490	500	510	520	530	540	
1	VWVKQ					485	
3	VWVPRKTTV	STIARPIT	TRPWTGEFVR	WTEPRLVAW		514	
2	IWVKR					485	
4	IWVNK					485	

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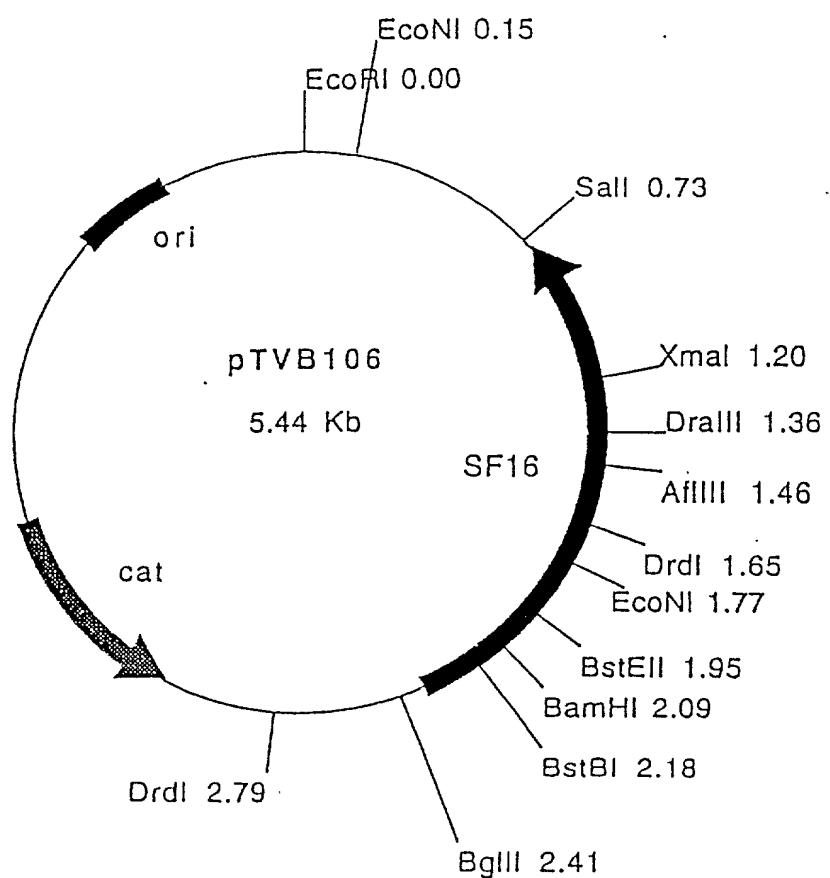


Fig. 2

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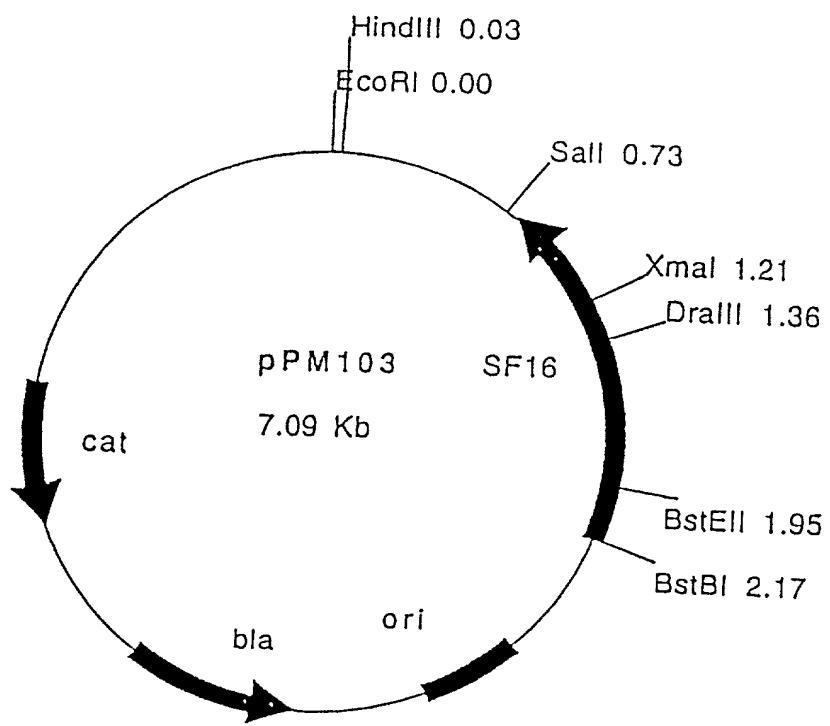


Fig. 3

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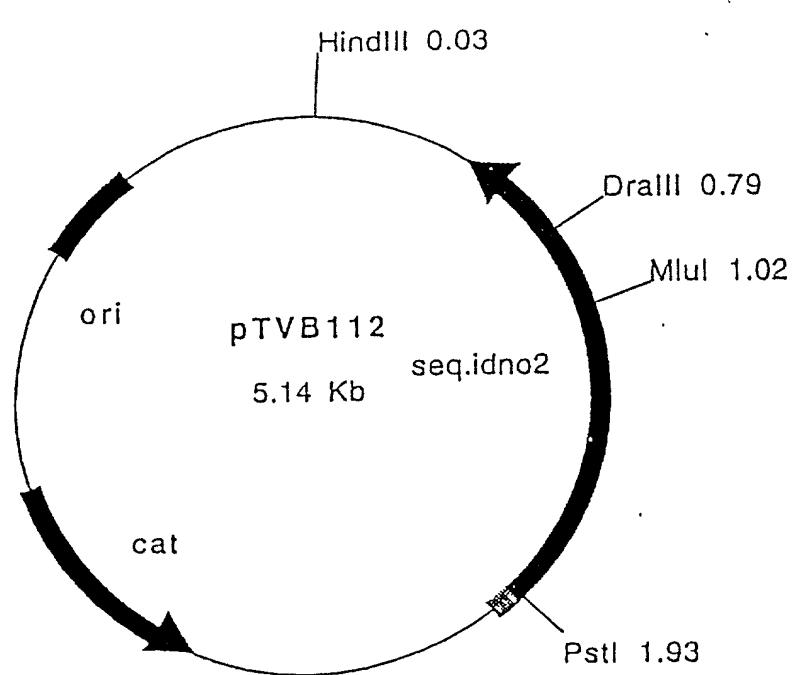


Fig. 4

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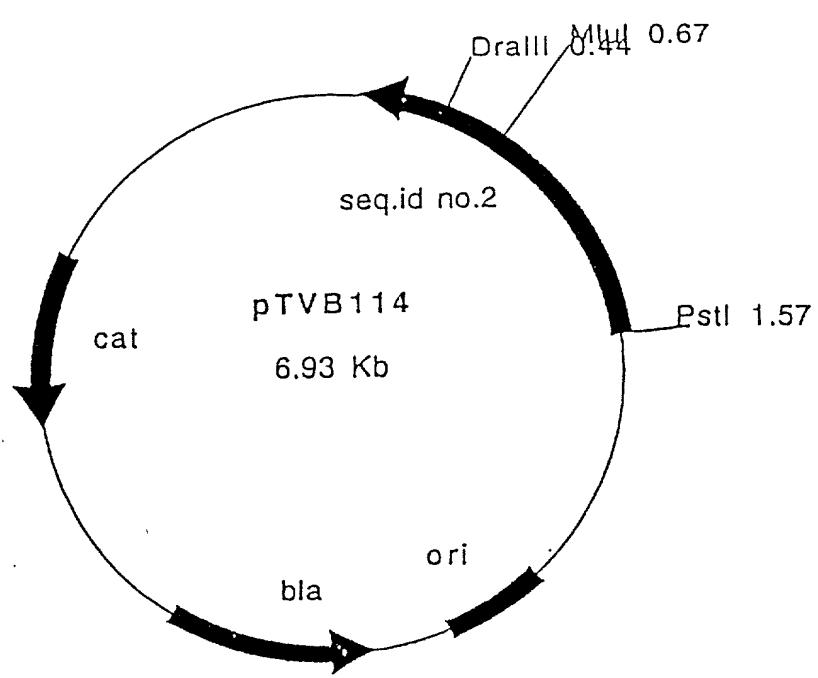


Fig. 5